

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
25 March 2004 (25.03.2004)

PCT

(10) International Publication Number  
**WO 2004/024072 A2**

- (51) International Patent Classification<sup>7</sup>: **A61K** CA 94010 (US). WU, Thomas D. [US/US]; 113 Elsie Street, San Francisco, CA 94110 (US).
- (21) International Application Number: PCT/US2003/028317 (74) Agent: CARPENTER, David A.; c/o GENENTECH, INC., MS 49, 1 DNA Way, South San Francisco, CA 94080-4990 (US).
- (22) International Filing Date: 10 September 2003 (10.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/410,340 11 September 2002 (11.09.2002) US
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (71) Applicant (*for all designated States except US*): GENENTECH, INC. [US/US]; 1 DNA Way, SOUTH SAN FRANCISCO, CA 94080 (US).
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): BODARY, Sarah C. [US/US]; 1520 Sand Hill Road, Apt. 205, Palo Alto, CA 94066 (US). CLARK, Hilary [US/US]; 495 Harkness Avenue, San Francisco, CA 94134 (US). HUNTE, Brisdell [US/US]; 1133 Dolores Street, #16, San Francisco, CA 94110 (US). JACKMAN, Janet K. [US/US]; 94 Patrick Way, Half Moon Bay, CA 94019 (US). SCHOENFELD, Jill R. [US/US]; 680 Spring Creek Drive, Ashland, OR 97520 (US). WILLIAMS, P. Mickey [US/US]; 509 Alto Avenue, Half Moon Bay, CA 94019 (US). WOOD, William I. [US/US]; 35 Southdown Court, Hillsborough,
- Published:  
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/024072 A2

(54) Title: NOVEL COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE RELATED DISEASES

(57) Abstract: The present invention relates to compositions containing novel proteins and methods of using those compositions for the diagnosis and treatment of immune related diseases.